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1 [SPINS: security protocols for sensor networks](#)

Adrian Perrig, Robert Szewczyk, J. D. Tygar, Victor Wen, David E. Culler

 September 2002 **Wireless Networks**, Volume 8 Issue 5

Publisher: Kluwer Academic Publishers

 Full text available: [Pdf](#) (213.37 KB)

 Additional Information: [full citation](#), [abstr](#)
Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 208, Downl

Wireless sensor networks will be widely deployed in the near future. Wh these networks feasible and useful, security has received little attention optimized for sensor networks: ...

Keywords: MANET, authentication of wireless communication, cryptogr and confidentiality, secure communication protocols, sensor networks

2 [A progressive flow auction approach for low-cost on-demand P2P m](#)

Zongpeng Li, Anirban Mahanti

 August 2006 **QShine '06: Proceedings of the 3rd international conference (** wired/wireless networks

Publisher: ACM

 Full text available: [Pdf](#) (158.41 KB)

 Additional Information: [full citation](#), [abstr](#)
Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 43, Downloa

Realizing on-demand media streaming in a Peer-to-Peer (P2P) fashion is media streaming, since only peers with close-by media play progresses media content. The situation is ...

3 [Performance and reliability analysis of relevance filtering for scalable](#)

 Mostafa A. Bassiouni, Ming-Hsing Chiu, Margaret Loper, Michael Garnsey, J July 1997 **Transactions on Modeling and Computer Simulation (TO**
Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (499.11 KB)

 Additional Information: [full citation](#), [abstr](#)
Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 63, Downlo


Achieving the real-time linkage among multiple, geographically-distant, distributed interactive simulation (DIS) requires tremendous bandwidth meeting the bandwidth and communication ...

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Keywords: bandwidth reduction, distributed interactive simulation, rea

4 [Improving VoD server efficiency with bittorrent](#)

 [Yung Ryn Choe, Derek L. Schult, Jagadeesh M. Dyaberi, Vijay S. Pai](#)
September 2007 **MULTIMEDIA '07**: Proceedings of the 15th international c

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (406.55 KB) Additional Information: [full citation](#), [abstr](#)

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 181, Downl

This paper presents and evaluates Toast, a scalable Video-on-Demand (popular BitTorrent peer-to-peer (P2P)file-transfer technology with a sim decrease server load and increase client ...

Keywords: BitTorrent, experimental systems, multimedia streaming, p

5 [Supporting concurrent applications in wireless sensor networks](#)

 [Yang Yu, Loren J. Rittle, Vartika Bhandari, Jason B. LeBrun](#)
October 2006 **SenSys '06**: Proceedings of the 4th international conference

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (1.65 MB) Additional Information: [full citation](#), [abstr](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 236, Downl

It is vital to support concurrent applications sharing a wireless sensor n and administrative costs, thus increasing the usability and efficiency of system that ...

Keywords: Maté, concurrent applications, dynamic group formation, gr keyed code distribution, melete, muse, network protocols, trickle, virtua

6 [Modeling service discovery in ad-hoc networks](#)

 [Fei Liu, Patrick Goering, Geert Heijenk](#)
October 2007 **PE-WASUN '07**: Proceedings of the 4th ACM workshop on Pe sensor, and ubiquitous networks

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (413.62 KB) Additional Information: [full citation](#), [abstr](#)


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A protocol for service discovery using attenuated Bloom filters has been our study, it can well save network bandwidth compared to conventiona analytical model and a simulation ...

Keywords: ad-hoc networks, attenuated Bloom filters, service discover

7 [Composable ad hoc location-based services for heterogeneous mob](#)

[Todd D. Hodes, Randy H. Katz](#)
October 1999 **Wireless Networks** , Volume 5 Issue 5
Publisher: Kluwer Academic Publishers

Full text available:  Pdf (403.18 KB)Additional Information: [full citation](#), [reference](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 54, Downloads**8** [Contact networking: a localized mobility system](#) Casey Carter, Robin Kravets, Jean TourrilhesMay 2003 **MobiSys '03: Proceedings of the 1st international conference on mobile systems****Publisher:** ACM Full text available:  Pdf (232.79 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 43, Downloads



MobileIP, the standard for Internet mobility, enables transparent mobility communication to take a multihop path through the node's Home Agent. A mobile node may desire the ability to...

9 [Ad hoc multicast routing algorithm with swarm intelligence](#)



Chien-Chung Shen, Chaiporn Jaikaeo

February 2005 **Mobile Networks and Applications**, Volume 10 Issue 1-2**Publisher:** Kluwer Academic PublishersFull text available:  Pdf (424.44 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 180, Downloads

Swarm intelligence refers to complex behaviors that arise from very simple interactions which is often observed in nature, especially among social insects such as ants. This paper has little intelligence ...

Keywords: ad hoc networks, multicast routing, swarm intelligence**10** [Prefix forwarding for publish/subscribe](#) Zbigniew Jerzak, Christof FetzerJune 2007 **DEBS '07: Proceedings of the 2007 inaugural international conference on distributed event-based systems****Publisher:** ACMFull text available:  Pdf (1.36 MB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 59, Downloads


We present a prefix forwarding algorithm for content-based publish/subscribe. It only requires one content-based match per message regardless of the number of hops to the destination. Moreover, prefix forwarding is ...

Keywords: distribution, interaction, publish/subscribe**11** [The effectiveness of intelligent scheduling for multicast video-on-demand](#) Vaneet Aggarwal, Robert Caldebank, Vijay Gopalakrishnan, Rittwik Jana, KOctober 2009 **MM '09: Proceedings of the seventeen ACM international conference on multimedia****Publisher:** ACM Full text available:  Pdf (1.18 MB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 41, Downloads (12 Months): 50, Downloads

As more and more video content is made available and accessed on-demand, the challenges of scale. Today's delivery mechanisms, especially unicast, require a large number of receivers and library ...

Keywords: EDF, VoD, multicast, scheduling

12 Feasibility study of mesh networks for all-wireless offices

 Jakob Eriksson, Sharad Agarwal, Paramvir Bahl, Jitendra Padhye
June 2006 **MobiSys '06: Proceedings of the 4th international conference on mobile systems, services, and applications**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (898.97 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 132, Downloads (All Time): 132


There is a fair amount of evidence that mesh (static multihop wireless) networks are feasible in the academic literature and in the commercial space. Nonetheless, none of the existing work has shown the feasibility of applications on ...

Keywords: mesh network, wireless office

13 Exploring large-scale peer-to-peer live streaming topologies

 Chuan Wu, Baochun Li, Shuqiao Zhao
August 2008 **Transactions on Multimedia Computing, Communication, and Applications**, Volume 4 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.07 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 332, Downloads (All Time): 332

Real-world live peer-to-peer (P2P) streaming applications have been successful in delivering live multimedia content to millions of users at any given time. However, they have not yet been able to respect to peer selection and ...

Keywords: Peer-to-peer streaming, topology characterization

14 On anonymity in an electronic society: A survey of anonymous communication systems

 Matthew Edman, Bülent Yener
December 2009 **Computing Surveys (CSUR)**, Volume 42 Issue 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (248.39 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 107, Downloads (12 Months): 107, Downloads (All Time): 107

The past two decades have seen a growing interest in methods for anonymous communication, both from the academic community and the general public. Several systems have been proposed in the literature, of which a number have been ...

Keywords: Anonymity, DC-nets, anonymous communication, mix network analysis

15 [A unifying link abstraction for wireless sensor networks](#)

 Joseph Polastre, Jonathan Hui, Philip Levis, Jerry Zhao, David Culler, Scott
November 2005 **SenSys '05**: Proceedings of the 3rd international conference on sensor systems

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (456.45 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 255, Downloads

Recent technological advances and the continuing quest for greater efficient network protocols for wireless sensor networks. These protocols embody network stack composition and, ...

Keywords: link protocols, network abstractions, network protocols, peer-to-peer networks

16 [PeerTIS: a peer-to-peer traffic information system](#)

 Jędrzej Rybiński, Björn Scheuermann, Markus Koegel, Martin Mauve
September 2009 **VANET '09**: Proceedings of the sixth ACM international workshop on VANETs

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (501.86 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 52, Downloads (12 Months): 130, Downloads

In this paper we propose a traffic information system based on the distributed themselves. Prior work in this area attempted to realize this distribution direct communication ...

Keywords: PeerTIS, car-to-car communication, overlay networks, peer-to-peer system, vanet alternatives

17 [An alternative time management mechanism for distributed simulation](#)

 Wentong Cai, Stephen J. Turner, Bu-Sung Lee, Junlan Zhou
April 2005 **Transactions on Modeling and Computer Simulation (TOMACS)**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (541.08 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 81, Downloads

Over the past few years, there has been a keen interest in the management of distributed environments. Previous emphasis in time management (TM) services has been on which is both computation and bandwidth ...


Keywords: Distributed simulation, causal order, high level architecture

18 [Modularity: a first class concept to address distributed systems](#)

 Roy Friedman, Anne-Marie Kermarrec, Michel Raynal
June 2008 **SI GACT News**, Volume 39 Issue 2


Publisher: ACMFull text available:  Pdf (2.42 MB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 47, Download

Decomposing distributed systems into modules, each with a precise independent specification, is highly effective both from a software engineering purposes. The usefulness of ...

19 [Coyote: a system for constructing fine-grain configurable communication](#) [Nina T. Bhatti, Matti A. Hiltunen, Richard D. Schlichting, Wanda Chiu](#)November 1998 **Transactions on Computer Systems (TOCS)**, Volume 16 I**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (290.21 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 46, Download

Communication-oriented abstractions such as atomic multicast, group F independent mobile computing can simplify the development of complex systems. This article describes Coyote, a system ...

Keywords: x-kernal, configurable services, customization, event handling, microprotocols, mobile computing, modularity, multicast, protocols, remote

20 [BAR fault tolerance for cooperative services](#) [Amitanand S. Aiyer, Lorenzo Alvisi, Allen Clement, Mike Dahlin, Jean-Philip](#)October 2005 **SOSP '05: Proceedings of the twentieth ACM symposium on****Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (249.58 KB)Additional Information: [full citation](#), [abstract](#)**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 98, Download

This paper describes a general approach to constructing cooperative service domains. In such environments, protocols must tolerate both *Byzantine* or malicious nodes arbitrarily ...

Keywords: byzantine fault tolerance, game theory, peer to peer, reliability

Also published in:

October 2005 **SIGOPS Operating Systems Review** Volume 39 Issue 5

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